

Amendments to the Claims:

The listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1-95. (Canceled)

96. (New) A method of administering a drug to a patient with a drug infusion pump, the method comprising

obtaining a container comprising a drug and a machine readable label comprising drug information that identifies the drug and comprises a concentration of the drug in the container;

reading the drug information on the machine readable label and transferring the drug information into a memory in the infusion pump;

comparing the drug information with a customized drug library comprising a drug entry and a corresponding set of drug delivery parameters; and if the drug information matches the drug entry, configuring the infusion pump using the set of drug delivery parameters;

configuring the infusion pump using the drug information; and

infusing the drug into the patient using the configured infusion pump.

97. (New) The method of claim 96, wherein the drug information further comprises an expiration date of the drug in the container and the method further comprises comparing the expiration date with a calendar and providing an alert if the expiration date has passed.

98. (New) The method of claim 96, wherein configuring the infusion pump using the drug information comprises using the drug concentration to configure the pump.

99. (New) The method of claim 96, wherein the drug information further comprises the manufacturer's name and size of the container.

100. (New) The method of claim 96, further comprising prompting a user to enter additional drug delivery information.

101. (New) The method of claim 100, wherein the additional drug delivery information comprises the patient's weight.

102. (New) The method of claim 96, wherein if the drug information does not match the drug entry, further comprising reporting an inconsistency.

103. (New) The method of claim 96, further comprising verifying the configuration of the pump and providing an alert, disabling the pump, or both, if there is any inconsistency between the pump configuration and the drug information.

104. (New) The method of claim 97, further comprising disabling the pump if the expiration date has passed.

105. (New) The method of claim 96, wherein the set of drug delivery parameters comprises one or more of a drug concentration, a drug delivery rate, a drug dose, and a bolus size.

106. (New) The method of claim 96, wherein the set of drug delivery parameters comprises one or more of a minimum drug delivery rate, a default drug delivery rate, and a maximum drug delivery rate.

107. (New) A system for administering a drug in a container to a patient, the system comprising

an infusion pump comprising a memory;  
means for reading drug information on a machine readable label on the container,  
wherein the drug information identifies the drug and comprises a concentration of the drug in the container;  
means for transferring the drug information into a memory in the infusion pump;  
means for comparing the drug information with a customized drug library comprising a drug entry and a corresponding set of drug delivery parameters to determine whether the drug information matches the drug entry;  
means for configuring the infusion pump using the set of drug delivery parameters if the drug information matches the drug entry; and  
means for configuring the infusion pump using the drug information.

108. (New) The system of claim 107, wherein the means for reading drug information on a machine readable label comprises a label reader.

109. (New) The system of claim 107, wherein the means for comparing the drug information with a customized drug library comprises a processor.

110. (New) The system of claim 109, wherein the processor further configures the infusion pump.

111. (New) A system for administering a drug in a container to a patient, the system comprising

an infusion pump comprising a memory;  
a label reader that reads drug information on a machine readable label on the container,  
wherein the drug information identifies the drug and comprises a concentration of the drug in the container; and  
one or more processors programmed to

(i) compare the drug information with a customized drug library comprising a drug entry and a corresponding set of drug delivery parameters to determine whether the drug information matches the drug entry;

(ii) configure the infusion pump using the set of drug delivery parameters if the drug information matches the drug entry; and

(iii) configure the infusion pump using the drug information.

112. (New) The system of claim 111, wherein the label reader resides on the infusion pump.

113. (New) The system of claim 111, further comprising a customized drug library.

114. (New) The system of claim 113, wherein the customized drug library resides in the memory of the infusion pump.

115. (New) The system of claim 111, further comprising means for comparing an expiration date on the container with a calendar and providing an alert if the expiration date has passed.

116. (New) The system of claim 111, further comprising means for comparing an expiration date on the container with a calendar and disabling the pump if the expiration date has passed.

117. (New) A drug infusion pump for use with a container containing a drug, the container including a machine readable label specifying an identifier of the drug and optionally other information about the drug, the pump comprising:

a drive mechanism which during operation causes the drug to be delivered from the container to a patient;

an electronically loadable memory inside the pump, wherein the electronically loadable memory stores a customized drug library comprising one or more drug entries, and wherein each drug entry is associated with a set of drug delivery parameters for configuring the drug infusion pump;

a label reader which during use reads the machine readable label on the container; and

a processor that controls the drive mechanism, wherein the processor is programmed to compare information from the machine readable label with information in the customized drug library to identify a drug entry that corresponds to the drug; configure the drug infusion pump by using a set of drug delivery parameters associated with the drug entry in the customized drug library; and operate the drive mechanism using the set of drug delivery parameters associated with the drug entry in the customized drug library.

118. (New) The drug infusion pump of claim 117, wherein the machine readable label includes drug information, and further comprising means for transferring the drug information into the memory in the infusion pump.

119. (New) The drug infusion pump of claim 117, wherein the machine readable label includes drug information that identifies the drug and comprises a concentration of the drug in the container, and wherein the processor is further programmed to configure the drug infusion pump using the drug information.

120. (New) The drug infusion pump of claim 117, further comprising a calendar.

121. (New) The drug infusion pump of claim 120, wherein the processor is further programmed to compare an expiration date indicated in the drug information with a calendar and provide an alert or disable the pump, or both, if the expiration date has passed.

122. (New) A drug infusion pump for use with a container containing a drug, the container including a machine readable label, the label specifying an identifier of the drug and optionally other information about the drug, the pump comprising:

- a drive mechanism which during operation causes the drug to be delivered from the container to a patient;

- a processor that controls the drive mechanism;

- an electronically loadable memory inside the pump, wherein the electronically loadable memory stores a customized drug library comprising one or more drug entries, and wherein each drug entry is associated with a set of drug delivery parameters for configuring the drug infusion pump;

- a label reader which during use reads the machine readable label on the container;

- means responsive to the label reader for identifying a drug entry in the customized drug library that corresponds to the drug;

- means for configuring the processor by using the set of drug delivery parameters associated with the identified drug entry in the customized drug library; and

- means for causing the processor to operate the drive mechanism using the set of drug delivery parameters associated with the identified drug entry in the customized drug library.

123. (New) A system for reading information from a drug infusion pump, the system comprising

- an infusion pump comprising a memory;

- means for loading a customized drug library comprising one or more drug entries into the memory, wherein each drug entry is associated with a set of drug delivery parameters for configuring the drug infusion pump; and

- means for reading information from the drug infusion pump.

124. (New) The system of claim 123, wherein the means for reading information from the drug infusion pump is a user interface module enabling a user to select information from the

memory, and to electronically download the information from the memory in the infusion pump into a separate memory.

125. (New) The system of claim 124, wherein the infusion pump further comprises means for generating an event log, and wherein the downloaded information comprises an event log.

126. (New) The system of claim 124, wherein the downloaded information is pump configuration information.